Call for Paper Instructions – One-Paragraph Abstracts

Volunteered poster or theater presentations for the XVth International Silage Conference will be selected from submitted one-paragraph abstracts. Abstracts are to be entered on an Adobe PDF or Microsoft Word DOC form available on the website and returned via email.

Specific Instructions for the Form:

1) The person who will be giving the presentation should fill out the top of the form.

2) Please indicate your preference for a poster or theater presentation. We will attempt to accommodate presenter's wishes, but there will be a limitation on the number of theater presentations.

3) The one-paragraph abstract:
- Cannot exceed the size of the box.
- The font should be Times New Roman, 12 point.
- The first line should be the title.
- The next line(s) should list the authors. Use numerical superscripts to denote different institutional affiliations.
- Immediately after the authors list the authors' affiliations.
- Insert a blank line between the affiliations and the start of the abstract text.
- The abstract should contain the objective of the research, a brief statement of methods, key results, and conclusions.
- The abstract text should be no more than 250 words.
- An example follows on the next page.

Submission of the Form via Email:

Submissions should be sent via email to Glen Broderick (gbroderi@wisc.edu).

One-Paragraph Abstract form

Title: (Mr/Mrs/Ms/Dr/Prof) Dr.
Last/Family Name: Muck
Initials: R.E.
Institute/company: US Department of Agriculture, Agricultural Research Service, US Dairy Forage Research Center
Address: 1925 Linden Drive West
City, State: Madison, Wisconsin
Zip/Postal code: 53706-1108
Country: USA
Telephone: 1.608.890.0067
Fax: 1.608.890.0076
E-mail (**obligatory**) remuck@wisc.edu

Would you like to present your paper as a poster or oral theater presentation: <type **poster or theater**> **poster**

Type your abstract in the box below. For instructions see file "Instructions.pdf", which you should have downloaded together with this abstract form.

Factors Influencing Density and Losses in Pressed Bag Silos

R.E. Muck[*1] and B.J. Holmes[2]
[1]USDA, ARS, US Dairy Forage Research Center, Madison, Wisconsin, USA
[2]University of Wisconsin-Madison, Madison, Wisconsin, USA

The objective of the study was to monitor the filling and emptying of pressed bag silos at three research farms to determine the variation in density and losses in this silo type. A total of 47 bags were filled over the 2000 and 2001 harvest seasons, and more than half of those bags have been completely emptied. Dry matter (DM) densities in lucerne silages were approximately 200 kg/m^3 when the crop was at 40% DM, and densities declined approx. 3 kg/m^3-% DM in wetter crops. With one bag filling machine, densities were 3 to 8% lower in whole crop maize silage whereas densities were 16 to 35% higher with another machine. Densities declined 5 kg/m^3-% DM in wetter maize silages. Average DM losses were 8.4% gaseous/seepage loss and 5.8% spoilage loss for a total of 14.2% loss. The average spoilage and total losses were inflated by three bags with substantial spoilage (26 to 38% total loss). Removing those from the average reduced average total losses to 9.7%. Gaseous losses were increased at low feed out rates whereas high spoilage losses were associated with drier, more porous silages. Overall, losses in pressed bag silos can be low if crops are not ensiled too dry (>40% DM), feed out rates are high (>50 cm/d), and farmers routinely monitor and repair bags for punctures.